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FURTHER STUDIES ON GROWTH AND THE ECONOMIC DEPRESSION

A Comparison of Weight and Weight Increments of Elementary-School Children in 1921-27 and in 1933-34 ¹

By Carroll E. Palmer, M. D., Consultant in Child Hygiene, United States Public Health Service

This paper is the third in a series reporting the results of studies on secular variation, or changes from year to year, in the growth in weight of school children. In the first paper (1), based on annual measurements during 1921-27 of the body weight of some 2,500 children attending the elementary schools in Hagerstown, Md., it was shown that averages of the actual weight of children of given age and sex did not vary a statistically significant amount from year to year during the interval from 1921 through 1927. On the other hand, it was found that average annual increments of weight did vary significantly from year to year. The latter finding was construed as meaning that certain years are apparently good while others are poor "growing years." The second paper (2), utilizing records of weight of elementary-school children in the same city in 1933, was concerned primarily with possible secular changes in the actual weight of children which may have occurred concomitantly with the recent economic depression. Among other things, it was shown (a) that averages of weight of children from 6 to 11 years of age did not differ significantly in 1933 from similar averages based on weights recorded during 1921

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This is the sixth in a series of papers published under the general heading "Hagerstown Growth Studies." The following is a list of the earlier papers:

No. 1. Palmer, C. E.: (1933) Seasonal variation of average growth in weight of elementary-school children. Pub. Health Rep., vol. 48, pp. 211-233. Reprint No. 1561.

No. 5. ———— and Reed, L. J.: Anthropometric studies of individual growth. I. Age, height, and rate of growth in height, elementary-school children. Human Biology. (In press.)

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through 1927; (b) that the variability in weight was substantially the same in 1933 as in the earlier period, with the probable exception of a slight increase in the proportion of younger girls found to be 12 or more percent below average weight; and (c) that, in spite of the marked changes which have occurred recently in the economic stratification of the population, approximately the same difference in the weight of children from the various economic classes was found to exist as is usually observed in studies of this kind.

The present paper, based on the earlier weight records supplemented by weighings recorded in 1934, has for its aim the extension of the findings previously reported. By means of the data collected, it is possible to compare both actual weight and annual gains in weight of children attending the elementary schools in Hagerstown in 1933–34 with similar data for Hagerstown children for the separate years during 1921–27. In addition to studies on the secular variations in growth in weight, the data collected permit the investigation of the differences in weight and weight increments in 1933 and 1934 for children from families in different economic classes.

MATERIAL AND METHODS

Details concerning the material collected in 1921-27 and in 1933 are given fully in the earlier papers. It will suffice here, therefore, to review briefly the source and character of those data and to indicate the nature of the new material.

Thus, as part of an extensive study of the growth of children undertaken by the United States Public Health Service during 1921–27 in Hagerstown, Md., nearly continuous seriatim annual measurements of weight were recorded for approximately 2,500 white children attending the elementary schools. Practically all of the measurements recorded during this period were made by the same person, a competent field worker from the Office of Child Hygiene. Weights were recorded to the nearest quarter pound on carefully calibrated beam scales. The children were weighed in their regular indoor clothing except for shoes, coats, sweaters, and vests. The individuals measured comprised a large proportion of the white elementary-school population each year, but the group studied included only those who were weighed for four or more consecutive years.

Data collected in May 1933 consist of records of weight for practically all of the white children attending the elementary schools of the city. The same procedure for obtaining the records was employed as was used during the 1921-27 investigation. The children were weighed in their usual indoor clothes as previously, on the same beam scales, recalibrated. All of the measurements were made by one person, the present writer. In addition to the records of weight,

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information was obtained as to whether or not the child's family was receiving either direct or indirect aid from the welfare society and, as well, whether or not the principal wage earner or earners in the family had full-time or only part-time employment.

The records collected in May 1934, one year from the date of the 1933 investigation, were in all essential details similar to those for 1933. Again, weights were recorded, by trained field workers, for practically all white children attending the elementary schools, and each child was questioned as to the employment of wage earners in his family and information was obtained from the city welfare society as to whether or not aid was being extended to the child's family.

The same method of analysis was used throughout these investigations. Averages and variability constants were calculated for weights and annual gains in weight of children classified into sexand age-specific groups. Distributions of annual increments were made by calculating the differences between the child's weight in May and his weight the following May. While the interval between successive weighings was not always precisely 1 year, the number of days between weighings did not fall below 355 nor exceed 375 days. Such differences are of slight practical importance, since it has been shown (3) that the average growth in weight of children during the spring months, particularly during May, is very low, in most instances not exceeding 0.1 pound per child per month.

For the distribution of actual weights in 1934 only those children who had been weighed in 1933 were included. Thus, in May 1933, 1,269 girls and 1,245 boys between the ages of 6 and 11 were weighed, and of these children 986 girls and 978 boys were again weighed in May 1934. In making the distributions of weight, age was classified as of the birthday nearest January 1 of the year of measurement. Children classified as of a certain age in 1933 were noted as 1 year older in 1934, thus making the age range for children in 1934 from 7 to 12 years, inclusive. For the distribution of annual increments, age was classified as of the birthday nearest January 1. Thus children designated as 7 years of age for the distribution of May 1933 to May 1934 increments were those whose seventh birthday fell between July 1, 1933, and July 1, 1934.

COMPARISONS OF ACTUAL WEIGHTS IN 1921-27, IN 1933, AND IN 1934

Data necessary for these comparisons are given in table 1 and in figures 1, 2, and 3. The table shows, separately for boys and girls in yearly age classes, the mean weights, the standard deviations of weight, and the proportions of children that were 12 or more percent below the average weight of children in 1921–27. These data are given for measurements made during 1921 through 1927 and for those made in 1933 and in 1934. In the three figures are recorded

graphically the three variables, respectively, the means, the standard deviations, and the proportion of children underweight.

Table 1.—Mean weights, standard deviations of weight, number of children, and percentage of children 12 percent or more below mean weight of children in 1921–27, for children weighed in 1921–27, 1933, and 1934. (White elementary-school children, Hagerstown, Md.)

Ago		ean weig pounds			ard dev pounds		Numb	er of ch	ildren	12 per low r	age of contor near we en in 192	nore be-
250	May 1921- 27	May 1933	May 1934	May 1921- 27	May 1933	May 1934	May 1921- 27	May 1933	May 1934	May 1921- 27	May 1933	May 1934
	Воуз											
6	46. 83 50. 63 55. 97 61. 57 67. 22 73. 91	46. 23 49. 73 55. 65 60. 66 67. 98 74. 05	51. 04 54. 24 60. 67 66. 02 74. 29	5. 32 6. 44 7. 38 8. 71 10. 53 12. 36	5. 29 5. 70 7. 58 7. 96 10. 78 10. 90	5. 86 5. 99 8. 63 9. 08 13. 20	238 596 839 987 992 868	121 200 240 231 234 219	102 157 200 187 198	14. 5 16. 0 16. 9 18. 5 20. 8 22. 7	17. 4 18. 0 17. 9 18. 2 18. 8 19. 6	14. 7 19. 7 22. 0 19. 3 24. 2
						G	irls		•			
6	45. 78 49. 11 54. 18 59. 50 66. 07 74. 10	44. 91 49. 19 54. 39 58. 38 66. 20 74. 80	49. 82 54. 10 59. 67 64. 31 74. 32	5. 34 6. 25 7. 51 9. 25 11. 50 14. 29	5. 95 7. 17 9. 76 10. 74 11. 30 15. 21	8. 89 8. 62 12. 19 12. 81 14. 51	237 573 811 921 925 798	114 205 241 236 223 240	92 164 203 204 192	11. 6 13. 6 15. 6 19. 0 23. 0 27. 9	23. 6 17. 1 22. 0 23. 7 21. 5 27. 9	19. 6 20. 1 26. 6 29. 4 29. 2

Considering first the means, figure 1, it is plain that there are no clear-cut consistent differences between the lines for the three different time periods and that the time differences for the separate age-sex classes are in most cases very small and obviously statistically insignificant. For girls, the irregularities of the differences for the separate time periods are so great that no particular significance can be attached even to an occasional large fluctuation—such, for example, as the difference of 1.24 pounds between the mean of 10-year-old girls in 1921–27 and the mean of 10-year-old girls in 1933.

For boys, the differences are not so clearly irregular. In 1933 the means for 6-, 7-, 8-, and 9-year olds are less than in 1921-27, and in 1934 the means for 8-, 9-, and 10-year olds are less than those for both the 1921-27 and 1933 periods. Considering the differences of the means for the age classes separately, it was found, however, that the only statistically significant difference between the 1921-27 and 1934 means was for 8-year-old boys. A mathematical test 2 for the statistical significance of the whole series of differences between the 1933 and 1921-27 averages shows that these two series of means are not significantly different. A similar test of the significance of the

³ See reference (4).

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differences between the 1934 and 1921-27 series of averages shows that the whole series of observed differences would occur only 5 in

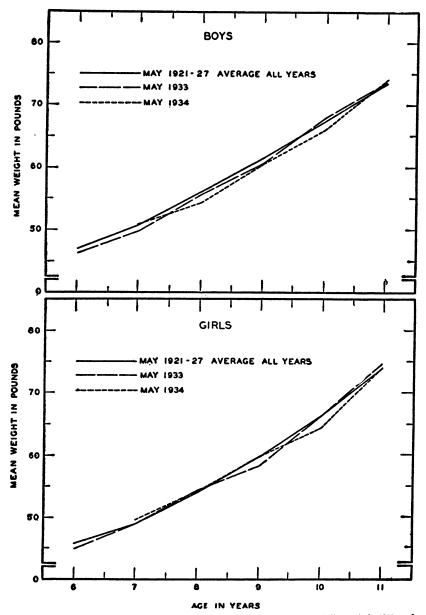


FIGURE 1.—Mean weight of elementary-school children in 1921-27 (average of all years), in 1933, and in 1934. (Age at birthday nearest January 1 of school year.)

100 times by chance alone. It is apparent, therefore, that the weights of boys between 7 and 11 years of age in Hagerstown in 1934 may be slightly less than those for boys of the same age in the same city

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during the interval between 1921 and 1927. However, because the significance of the difference between the 1921-27 and 1934 series is

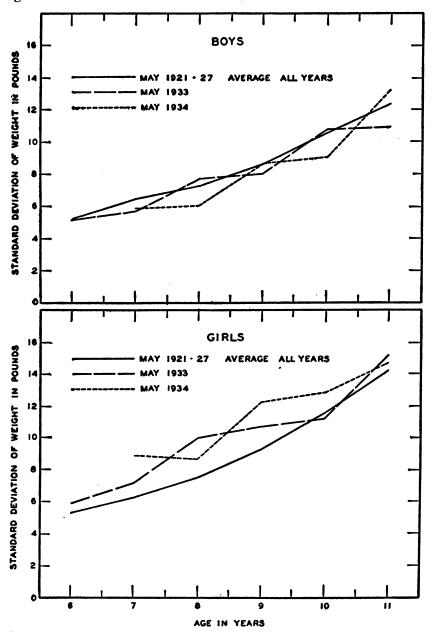


FIGURE 2.—Standard deviations of weight of elementary-school children in 1921-27 (average of all years), in 1933, and in 1934. (Age at birthday nearest January 1 of school year.)

due primarily to the large difference between the means of 8-year-old boys, no great importance can be attached to the findings.

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. In figure 2 are shown the standard deviations of the weights of children for the three time periods. Study of these data indicates. so far as boys are concerned, that there are no significant differences in the variability of weight in the three periods. Comparison of the standard deviations for girls, however, shows that this measure of variation tends to be greater both in 1933 and in 1934 than in 1921-27. Thus at each age level the standard deviations in 1934 are larger than those calculated in 1921-27, and in 1933 the standard deviations are larger for the 6-, 7-, 8-, and 9-year-old girls. This finding is fairly suggestive, therefore, that the past few years of the economic disturbance has been associated with an increase in the variability of body weight of girls. In this connection it must be remembered, however, that all of the individuals weighed in 1934 were among those weighed in 1933 and, except for possible selection factors. characteristics noted in 1933 would tend to be present in 1934. the variability of measurements in 1934 is probably correlated with the variability in 1933, and the findings for the 2 years cannot be considered independent observations.

As a further study of the changes in the weights of children during the past decade, the percentage of children 12 percent or more below averages of weight in 1921–27 were calculated, and are shown graphically in figure 3. It is clear, from these data, that there are no consistent changes for either 1933 or 1934 in the proportion of boys below the standard of weight recorded for the 1921–27 period. For the girls, however, it is plain that a somewhat larger proportion was underweight in both 1933 and 1934 than was found in the earlier period. In order to view these results in a slightly different manner, the actual number of children observed in the underweight classes in 1933 and in 1934 were compared with the number that would have been observed had the same proportions been underweight as were underweight in the 1921–27 period. According to these calculations the actual and theoretical numbers of underweight children are as follows:

Boy	s Girls
Observed number underweight in 1933 22	9 288
Theoretical number underweight in 193323	3 247
Difference (observed minus theoretical)	4 41
Observed number underweight in 1934 176	4 221
Theoretical number underweight in 193416-	4 177
Difference (observed minus theoretical) 10	0 44

The differences both in 1933 and in 1934 between the observed and expected numbers of underweight boys are small and not statistically significant, indicating that there has been no definite increase in this measure of lowered body weight in boys which has been assoDecember 7, 1934 1460

ciated with the depression. The observed number of underweight girls, however, is greater by 41 in 1933 and by 44 in 1934 than would have been found had the same proportion been underweight as was found in 1921–27. These increases, while not striking, are statistically significant, and it may be concluded that there has been a definite

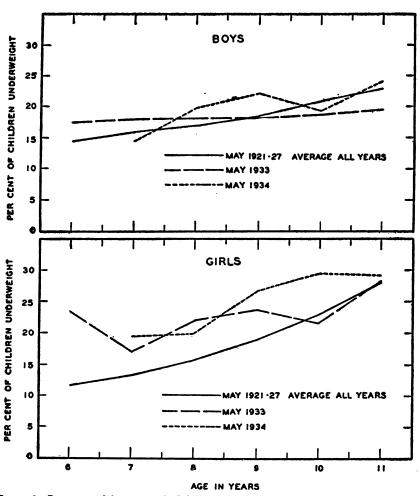


FIGURE 3.—Percentages of elementary-school children weighed in 1921-27, in 1933, and in 1934 that were 12 percent or more below the average weight of children of the same age and sex in 1921-27. (Age at birthday nearest January 1 of school year.)

increase in the relative number of underweight girls during the past few years. Again it must be recalled that the children measured in 1934 are among those measured in 1933 and that the number found underweight in 1934 is correlated, at least to some extent, with the number underweight in 1933. 1461 December 7, 1934

Table 2.—Means, standard deviations, and number of children for distributions of annual (May-to-May) gains in weight, all years combined for 1921-27 and for 1933-34. (White-elementary school children, Hagerstown, Md.)

	Mean annual gain in weight (pounds)		Standard deviation of annual gains (pounds)		Number of children	
. Age	1921-27	1933–34	1921-27	1933-34	1921–27	1933-34
			Воу	3	<u> </u>	
7	4. 75 5. 57 5. 81 6. 13 6. 80 7. 87	4. 59 4. 86 5. 22 5. 38 6. 27 7. 41	1. 70 1. 99 2 33 2. 67 3. 24 4. 24	2. 48 2. 51 2. 90 3. 21 4. 01 4. 18	259 667 867 891 795 621	102 157 200 187 198 128
			Girls	3		
7	4. 76 5. 12 5. 78 6. 78 8. 52 10. 79	4. 23 4. 84 5. 33 5. 93 7. 70 10. 60	2. 26 2. 18 2. 85 3. 41 4. 39 5. 00	2. 70 2. 40 3. 46 3. 64 4. 61 5. 37	266 639 806 819 735 573	92 164 203 204 192 131

COMPARISON OF ANNUAL GAINS IN WEIGHT IN 1933-34 WITH THOSE IN 1921-27

Table 2 and figure 4 give data for the comparison of the annual gains in weight based on May-to-May weighings, for the years 1921 through 1927 taken altogether, with those for 1933-34. It will be noted that for each age-sex class the average annual increment is less for the year 1933-34 than the average for the earlier period. The differences between the averages range from 0.2 to 0.8 pound and are approximately the same for both sexes. A summary estimate of the total reduction of growth in weight in 1933-34, calculated as the weighted

average of the ratio Average annual gain in weight, 1933-34 Average annual gain in weight, 1921-27 for the several age-sex groups, shows that growth in weight was only 91.3 percent as great in the later as in the earlier years. This finding alone would indicate that growth in weight was very much reduced during the past year. However, this reduction in annual gains can be evaluated completely only in the light of the secular variations in growth in weight. Data for such an evaluation are given in the paper (1) referred to above which shows, for Hagerstown elementary-school children, the fluctuations in annual increments each year during the period 1921 through 1927. According to the analysis given there, it is shown that a marked fluctuation in annual gains occurs in different calendar years. For example, the ratio of annual gain in 1924-25 was only 91.5 percent of the standard based on the entire 1921-27 period, while the ratio for 1926-27 was 105.5 percent of the same standard.

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Thus, while growth during 1933-34 is much less than the average of the earlier years, it is not significantly less than the annual gains for the year 1924-25. It becomes necessary to conclude, then, that the school year 1933-34 was as good a "growing year", despite the depression,

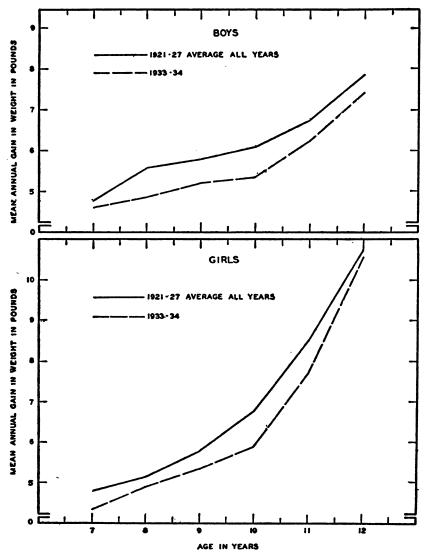


FIGURE 4.—Mean annual gain in weight of elementary-school children in 1921-27 (average of all years), and in 1933-34. (Age at birthday nearest January 1 of school year.)

as at least one other year when the general economic status of the population was presumably much higher. On the other hand, since the many factors which may be effective in making some years good and others poor "growing years" are not known, it is impossible to state conclusively that the depression has not affected adversely the

growth in weight of children. It is quite conceivable, for example, that the year 1924-25 appears as a poor "growing year" because of the influence of several factors which are adverse to growth, while in the year 1933-34 these factors did not operate, but the decrease in growth was brought about by other factors directly attributable to the economic depression. However, the results of this study of annual increments, together with observation that the actual weights of the children in Hagerstown have not materially decreased during the past decade, make it seem reasonable to conclude that there is no clear-cut evidence that the recent economic depression has affected markedly the growth in weight of this representative sample of school children.

Table 3.—Mean weights and number of children in 1933 and 1934 whose families were receiving or were not receiving aid from the welfare society. (White elementary-school children, Hagerstown, Md.)

		Mean	weight		Number of children				
	1933		1934		1933		1934		
Age	Receive aid	Do not receive aid	Receive aid	Do not receive aid	Receive aid	Do not receive aid	Receive aid	Do not receive aid	
	Boys								
7	47. 56 52. 60 57. 96 63. 24 69. 71	50. 89 56. 34 61. 63 69. 23 75. 27	47. 21 51. 50 57. 17 61. 81 67. 58	51. 65 54. 94 61. 15 66. 70 75. 30	70 44 61 49 48	130 196 170 185 171	14 32 24 26 26	88 125 176 161 172	
				Gi	rls		-		
78	47. 35 52. 64 55. 37 63. 25 67. 80	49. 80 55. 07 59. 53 67. 09 76. 64	48. 40 52. 30 56. 95 58. 14 69. 15	49. 99 54. 39 59. 98 65. 34 74. 92	51 67 65 54 50	154 174 171 179 190	10 23 21 29 20	82 141 182 175 172	

COMPARISON OF WEIGHT AND ANNUAL GAINS IN WEIGHT OF CHILDREN FROM DIFFERENT ECONOMIC CLASSES

Table 3 and figure 5 give data for comparing the actual weights of children whose families did and did not receive aid from the city welfare society in 1933 and in 1934. It will be noted that the averages are from 2 to 9 pounds less for children from families that were assisted by welfare funds and, also, that the differences between the two groups are approximately the same in both years. In general, these differences are statistically significant; and it may be concluded that, so far as weight is concerned, children from families that receive welfare help comprise a group of low-weight individuals.

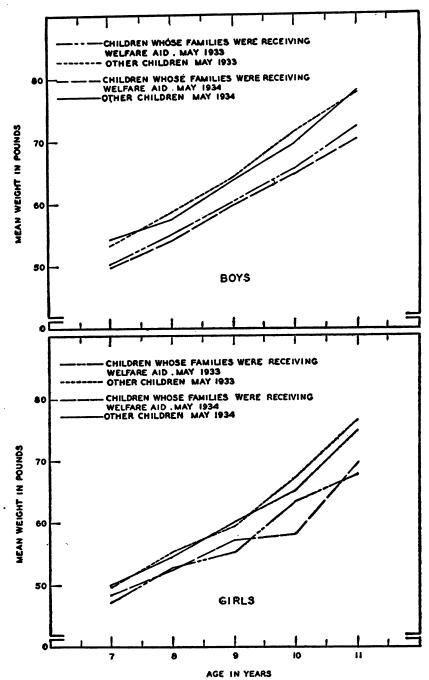


FIGURE 5.—Mean weight of elementary-school children in 1933 and 1934, classified according to whether or not the child's family received aid from the welfare society. (Age at birthday nearest January 1 of school year.)

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Tables 4 and 5 and figures 6 and 7 present data for the comparison of weight *increments* of children from families grouped according to two classifications of economic status in 1934. Figure 6 shows the

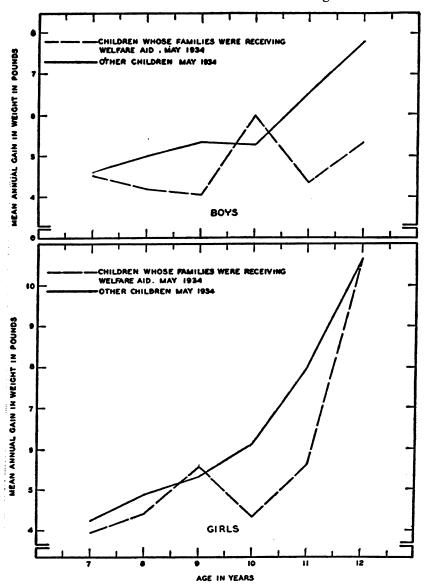


FIGURE 6.—Mean annual gain in weight of elementary-school children in 1933-34, classified according to whether or not the child's family received aid from the welfare society. (Age at birthday nearest January 1, 1934.)

average annual gains in weight for children whose families did and did not receive aid from the Hagerstown Welfare Society. The lines representing children whose families were receiving aid show marked irregularities, due probably to the small numbers of cases; with the December 7, 1934 1466

exception of 10-year-old boys and 9-year-old girls, however, the gains made by children of these families are less than those of children whose families did not receive assistance. This finding, taken together

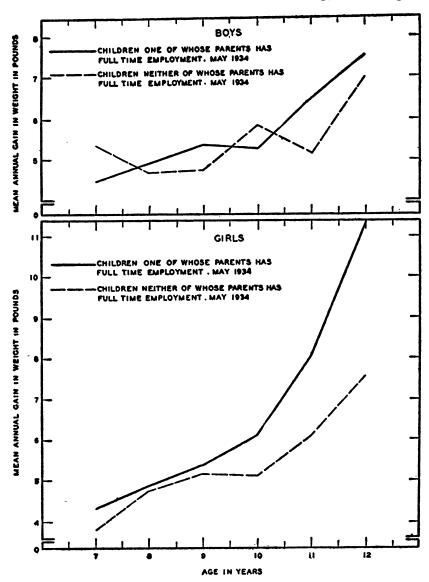


FIGURE 7.—Mean annual gain in weight of elementary-school children in 1933-34, classified according to employment of parents. (Age at birthday nearest January 1, 1934.)

with the observation noted above that these children actually weigh less, further emphasizes the fact that children from welfare families form a group of individuals who are both lighter in weight and who make lower gains in weight than children in the population as a whole; and, while it cannot be inferred that larger expenditures of welfare funds would bring the averages of the former group up to the level of children in general, it is probably true that those children who are being helped are those who are most in need of it.

Table 4.—Means, standard deviations, and number of children, for distributions of annual (May 1933-May 1934) gains in weight of children whose families were receiving or were not receiving aid from the welfare society. (White elementary-school children, Hagerstown, Md.)

	Mean annual gain		Standard deviations		Number of chil-		
	(pounds)		(pounds)		dren		
Age	Receive aid	Do not receive aid	Receive aid	Do not receive aid	Receive aid	Do not receive aid	
		· · · · · · · · · · · · · · · · · · ·	Во	ys			
7	4. 52	4. 60	3. 06	2. 38	14	88	
	4. 18	5. 03	2. 19	2. 56	32	125	
	4. 04	5. 38	1. 43	3. 01	24	176	
	5. 97	5. 28	5. 25	2. 74	26	161	
	4. 36	6. 55	2. 67	4. 11	26	172	
	5. 36	7. 81	3. 45	4. 19	21	107	
			Gir	rls			
7	3. 95	4. 27	1. 56	2. 80	10	82	
	4. 41	4. 91	1. 61	2. 50	23	141	
	5. 54	5. 31	2. 13	3. 57	21	182	
	4. 34	6. 19	2. 51	3. 74	29	175	
	5. 63	7. 94	2. 91	4. 71	20	172	
	10. 54	10. 61	4. 65	5. 50	20	111	

TABLE 5.—Means, standard deviations, and number of children, for distributions of annual (May 1933–May 1934) gains in weight, children one of whose parents was employed full time and children neither of whose parents was employed full time. (White elementary-school children, Hagerstown, Md.)

	Mean annual gain (pounds)		Standard deviation of gains (pounds)		Number of chil- dren			
Age	Full-	Not full-	Full-	Not full-	Full-	Not full-		
	time	time	time	time	time	time		
	employ-	employ-	employ-	employ-	employ-	employ-		
	ment	ment	ment	ment	ment	ment		
	Boys							
7	4. 51	5. 35	2. 25	3. 89	92	10		
	4. 89	4. 67	2. 62	1. 79	133	24		
	5. 33	4. 71	3. 09	1. 74	164	36		
	5. 27	5. 75	2. 85	4. 26	146	41		
	6. 42	5. 15	4. 18	2. 22	174	24		
	Girls							
7	4, 29	3. 78	2. 80	1. 49	82	10		
	4, 86	4. 78	2. 50	1. 98	128	36		
	5, 36	5. 20	3. 67	2. 29	166	37		
	6, 11	5. 13	3. 82	2. 64	166	38		
	8, 09	6. 10	4. 76	3. 54	154	38		

When the children measured in 1933-34 are classified as to whether the principal wage earners in their families have full-time or only part-time employment (table 5 and figure 7), it is found that the averages of children from families having at least one full-time wage earner are greater than averages of children from families in which no wage earner had regular employment. These results are based, obviously, on a very small number of observations and the differences, especially for boys, are not highly reliable. However, the differences are approximately the same as those usually found between higher and lower economic classes (5), and it seems reasonable to conclude that present economic conditions have tended neither to produce striking class differences nor to obliterate the differences previously observed.

SUMMARY

This paper is the third in a series dealing with secular variation in the growth in weight of elementary-school children in a typical small city, Hagerstown, Md. In the first paper it was shown that averages of actual weight did not, while averages of weight increments did, vary significantly from year to year during the period 1921 through 1927. In the second paper it was shown that the actual weights of children in the same city were not, after several years of severe economic depression, materially decreased in 1933. In the present paper, dealing with weights and weight increments of children in 1933 and 1934, the following results are brought forward:

- 1. Averages of weight of children in 1934 show no consistent or striking differences from averages of weight for the period 1921 through 1927.
- 2. The variability of body weight (measured by the standard deviation) is not, for boys, consistently different in 1933 and 1934 from that observed in the 1921–27 period. For girls, weight is more variable in both 1933 and 1934 than in the earlier period.
- 3. The proportion of boys 12 percent or more below average weight has not increased in 1933 or 1934, while the proportion of girls so designated is slightly greater, both in 1933 and in 1934, than that observed for the years 1921-27.
- 4. Average annual gains in weight are lower for the year 1933-34 than those calculated for the 1921-27 period. The average for the several age-sex groups, of the ratio

Average annual gains in weight, 1933-34 Average annual gains in weight, 1921-27

equals 91.5 percent. Comparing this ratio with similar average ratios for the separate years 1921-27 shows, however, that the relative gain for 1933-34 is not significantly lower than that recorded in 1924-25, a year in which general economic conditions

were presumably much better than in 1933-34. This finding, together with the fact that the actual weight of children has not decreased in the past decade, is taken as evidence that the recent economic depression has not materially affected the growth in weight of a representative sample of school children.

5. A supplementary study of the weights and weight increments of children from families in different levels of economic status in 1933 and 1934 shows that approximately the same differences are to be found as have been observed in times previous to the depression. From this it is concluded that there has been no obliteration or widening of class differences during the depression.

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EXTENT OF RURAL HEALTH SERVICE IN THE UNITED STATES, JANUARY 1, 1930-DECEMBER 31, 1933

According to data obtained by the United States Public Health Service from the health departments of the States, table 1 presents a list, by States, of counties, townships, or districts in which the rural sections thereof at the beginning of the calendar years 1930, 1931, and 1932, and on December 31, 1932 and 1933, respectively, were provided with health service under the administration of local whole-time health officers.

The list for the year ended December 31, 1933, includes, as it did at the close of the calendar year 1932, all counties, townships, or districts which are operating in units under the direction of local whole-time health officers maintained jointly by the pooling of local official appropriations. Also all counties, townships, or districts are included in which there are whole-time local health organizations maintained entirely by the State health departments.

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers

ALABAMA

Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
Baldwin Barbour Blount Bullock Calhoun Chambers Cherokee	Baldwin Barbour Blount Bullock Calhoun Chambers Cherokee	Baldwin Barbour Blount Bullock Calhoun Chambers Cherokee	Baldwin Barbour Blount Bullock Calhoun Chambers Cherokee	Barbour Blount Bullock Calhoun Chambers Cherokee Cleburne
Choctaw Clarke Cleburne Coffee Colbert Conecuh Covington Crenshaw	Choctaw Clarke Cleburne Coffee Colbert Conecuh Covington Crenshaw	Choctaw Clarke Cleburne Coffee Colbert Conecuh Covington Crenshaw	Choctaw Clarke Cleburne Coffee Colbert Conecuh Covington Crenshaw	Concouh Covington Crenshaw Cullman Dale Dallas De Kalb Elmore
Cullman Dale Dallas De Kalb Elmore Escambia Etowah	Cullman Dale Dallas De Kalb Elmore Escambia Etowah Franklin	Cullman Dale Dallas De Kalb Elmore Escambia Etowah Franklin	Cullman Dale Dallas De Kalb Elmore Escambia Etowah Franklin	Escambia Etowah Franklin Geneva Houston Jackson Jefferson Landerdala
Geneva Houston Jackson Jefferson Lamar Lauderdale Lawrence	Geneva Houston Jackson Jefferson Lamar Lauderdale Lawrence Lee	Geneva Houston Jackson Jefferson Lamar Lauderdale Lawrence	Geneva Houston Jackson Jefferson Lamar Lauderdale Lawrence	Lawrence Lee Limestone Macon Madison Mariengo Marion
Limestone Lowndes Macon Madison Marengo Marshail Mobile	Limestone Lowndes Macon Madison Marengo Marion Marshall	Limestone Lowndes Macon Madison Marengo Marion Marshall	Lee Limestone Lowndes Macon Madison Marengo Marion Marshall	Marshall Mobile Monroe Montgomery Morgan Perry Pickens Pike
Monroe Montgomery Morgan Pickens Shelby Sumter Talladega Tallapoosa	Mobile Monroe Montgomery Morgan Perry Pickens Pike Shelby	Mobile Monroe Montgomery Morgan Perry Pickens Pike Shelby	Mobile Monroe Montgomery Morgan Perry Pickens Pike Shelby	Shelby Sumter Talladega Tallapoosa Tuscaloosa Walker Washington Wilcox
Tuscaloosa Walker Washington Wilcox Winston	Sumter Talladega Tallaposa Tuscalosa Walker Washington Wilcox Winston	Sumter Talladega Tallapossa Tuscaloosa Walker Washington Wilcox Winston	Sumter Talladega Tallapoosa Tuscaloosa Walker Washington Wilcox Winston	V 1002
		ARIZONA		
Cochise Coconino Yuma	Cochise Coconino Gila Maricopa Pima Yuma	Cochise Gila Maricopa Pima Yuma	Cochise Gila Maricopa Pima	Cochise Gila Maricopa Pima
	•	ARKANSAS		
Arkansas Ashley Conway Cross Desha Drew Garland Jackson	Arkansas Ashley Clark Conway Cross Desha Drew Garland		Bradley Chicot Clark Cleveland Conway	Ashley Clark Conway Crittenden Cross Faulkner Garland Jackson
¹ 1 district of 3 coun	ties.			

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—Continued

ARKANSAS-Continued

Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
Jefferson Little River Mississippi Monroe Phillips Pope Pulaski Saline Sebastian Union White Woodruff Yell	Jackson Jefferson Little River Lonoke Mississippi Monroe Ouachita Phillips Pope Pulaski Saline Sebastian Union White Woodruff Yell	Desha Drew Garland Jackson Jefferson Little Kiver Lonoke Miller Mississippi Monroe Ouachita Perry Phillips Pope Prairie Pulaski Saline Sebastian Union White Woodruff Yell	Cross Drew Garland Jackson Jefferson Lincoln Little River Lonoke i Mississippi Monroe Ouachita Phillips Pope Prairie i Pulaski Saline Sebastian Woodruff Yell	Jefferson Little River Lonoke Mississippi Monroe Ouachita Phillips Pope Pulaski Saline Sebastian Woodruff Yell
		CALIFORNIA		. 1
Contra Costa Los Angeles Madera Monterey Orange Riverside San Diego San Joaquin San Luis Obispo Santa Barbara Stanislaus Yolo	Contra Costa Imperial Los Angeles Madera Monterey Orange Riverside San Diego San Joaquin San Luis Obispo Santa Barbara Stanislaus Yolo	Contra Costa Imperial Los Angeles Madera Monterey Orange Riverside San Bernardino San Diego San Joaquin San Luis Obispo Santa Barbara Stanislaus Yolo	Contra Costa Imperial Los Angeles Madera Monterey Orange Riverside San Bernardino San Diego San Joaquin San Luis Obispo Santa Barbara Stanislaus Yolo	Contra Costa Imperial Los Angeles Madera Monterey Orange Riverside San Bernardino San Diego San Joaquin San Luis Obispo Santa Barbara Stanislaus
		COLORADO		
Otero	Otero	Otero		
		CONNECTICUT		
Fairfield ²	Fairfield 3	Fairfield ²	Fairfield ² West Hartford ²	Fairfield ² West Hartford ²
	_ 	DELAWARE		
Kent Newcastle Sussex	Kent Newcastle Sussex	Kent Newcastle Sussex	Kent Newcastle Sussex	Kent Newcastle Sussex
		FLORIDA		
Manatee Sarasota	Leon Manatee Taylor	Leon Taylor	Escambia Leon Taylor	Escambia Leon
	1.1 district of 3 cour	itios	3 Township.	

^{1 1} district of 3 counties.

³ Township.

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—

Continued GEORGIA Jan. 1, 1930 Jan. 1, 1931 Jan. 1, 1932 Dec. 31, 1932 Dec. 31, 1933 Raldwin Baldwin Baldwin Baldwin Baldwin Bartow Bartow Rartow Rartow Bartow Bibb Bibb Bibb Bibb Bibb Brooks Brooks Brooks Brooks Brooks Chatham Chatham Catoosa Catoosa 1 Catoosa 2 Clarke Chatham Chatham Chatham Clarke Clinch Clinch Chatooga 1 Clarke Clarke Cobb Cohh Clarke Cohh Cobb Coffee Coffee Colquitt Colquitt Cobb Colquitt Colquitt Coffee Dade 3 Decatur Colquitt Dade 2 De Kalb Crisp Decatur Decatur Decatur De Kalb De Kalb Dougherty De Kalb Dougherty Decatur Dougherty Floyd Fulton Dougherty De Kalb Floyd Floyd Glynn Grady Glynn Grady Emanuel Dougherty Tulton Floyd Floyd Glynn Glynn Grady Hall Glynn Gordon ¹ Grady Hall Hall Jefferson Jefferson Hall Jankins Jefferson Jankins Grady Jefferson Laurens Hall Janking Lenrang Jenkins Lowndes Jefferson Laurane Lowndes Mitchell Jenkins Mitchell Laurens Lowndes Lowndes Richmond Laurens Mitchell Richmond Mitchell Spalding Spalding Lowndes Richmond Richmond Sumter Mitchell Spalding Sumter Spalding Thomas Murray 1 Sumter Thomas Sumter Troup Walker Richmond Thomas Troup Walker Thomas Spalding Troup Walker ! Ware Washington Sumter Troup Ware Walker Washington Ware Washington Thomas Ware Troup Washington Walker 13 Wayne Ware Washington Whitfield 1 Worth IDAHO Bonneville Twin Falls Twin Falls Twin Falls Twin Falls ILLINOIS Du Page Du Page Du Page Du Page Du Page Morgan Morgan IOWA Washington Des Moines Des Moines Woodbury Woodbury Washington Washington Woodbury Woodbury KANSAS Brown Brown Brown Brown Gearv Butler Butler Butler Geary Lyon Cherokee Cherokee Cherokee Lyon Marion Sedgwick Dickinson Dickinson Dickinson Shawnee Geary Greenwood Geary Geary Sedgwick Greenwood Greenwood Shawnee Lyon Marion Lyon Marion Lyon Marion Ottawa Ottawa Sedgwick Sedgwick Shawnee Sedgwick Shawnee

Seward Shawnee

¹ Included in 1 district of 4 counties.
² Included in 1 district of 3 counties.

Walker County also included in a tricounty district.
 Included in 1 district of 2 counties.

Table 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1951, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—Continued

KENTUCKY

Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
Ballard	Bell	Adair	Adair	Adair
Bell	Boyd	Allen	Allen	Allen
Boyd	Breathitt	Anderson	Anderson	Anderson
Breathitt	Bullitt	Barren	Barren	Barren
Bullitt	Calloway Carlisle	Bath Bell	Bath Bell	Bath Bell
Calloway Carlisle	Carter	Boyd	Boyd	Boyd
arter	Daviess	Breathitt	Breathitt	Breathitt
Daviess	Elliott	Bullitt	Bullitt	Bullitt
lliott	Estill	Butler	Butler	Butler
Still	Fayette	Caldwell	Caldwell	Caldwell
ayette	Floyd	Calloway	Calloway	Calloway
loyd	Fulton	Carlisle	Carlisle	Carlisle
ulton	Henderson Hickman	Carter Casey	Carter Casey	Carter Casey
lenderson lickman	Hopkins	Clinton	Clinton	Clinton
opkins	Jefferson	Daviess	Daviess	Daviess
efferson	Kenton	Edmonson	Edmonson	Edmonson
hnson	Knott	Elliott	Elliott	Elliott
enton	Knox	Estill	Estill	Estill
nott	Lawrence	Fayette	Fayette	Fayette
nox	Lee.	Fleming	Fleming	Fleming
awrence	Leslie Letcher	Floyd Fulton	Floyd Fulton	Floyd Fulton
ee .	Lincoln	Gallatin	Gallatin	Gallatin
eslie etcher	Madison	Grant	Grant	Grant
lagoffin	Magoffin	Grayson	Grayson	Grayson
lartin	Martin	Green	Green	Green
fason	Mason	Greenup	Greenup	Greenup
[cLean	McLean	Hancock	Hancock	Hart
[enifee	Menifee	Harrison	Hart	Henderson
lonroe	Monroe Morgan	Hart Henderson	Henderson Hickman	Hickman Hopkins
Iorgan Iuhlenberg	Muhlenberg	Hickman	Hopkins	Jackson
hio	Ohio		Jackson	Jefferson
wsley	Owsley	Hopkins Jackson	Jefferson	Kenton
erry	Perry	Jefferson	Kenton	Knott
ike	Pike Pike	Kenton	Knott	Knox
cott	Scott	Knott	Knox	Laurel
rigg	Trigg	Knox	Laurel	Lawrence
nion	Union	Laurel Lawrence	Lawrence Lee	Leslie
Vayne Vebster	Wayne Webster	Lee	Leslie	Letcher
hitley	Webster	Leslie	Letcher	Lincoln
/olfe	į.	Letcher	Lewis	Madison
V.1.0	1	Lewis	Lincoln	Magoffin
	1	Lincoln	McCreary	Marshall
		McCreary	McLean	Martin
	i	McLean	Madison	Mason
	l .	Madison Magoffin	Magoffin Marshall	McCreary McLean
	1	Marshall	Martin	Meade
	1	Martin	Mason	Menifee
	1	Mason	Meade	Monroe
	•	Meade	Menifee	Muhlenberg
		Menifee	Metcalfe	Nicholas
	1	Metcalfe	Monroe	Ohio Owsley
	l	Monroe	Morgan	Perry
	ł	Morgan Muhlenberg	Muhlenberg Nicholas	Pike
	1	Nicholas	Ohio	Powell
	1	Ohio	Owsley	Pulaski
	ł	Owen	Perry	Rockcastle
	l l	Owsley	Pike	Rowan
	l .	Perry	Powell	Scott
		Pike "	Pulaski	Todd
	1	Powell	Robertson	Trigg Trimble
	I	Pulaski	Rockcastle Rowan	Union
	1	Robertson Rockcastle	Scott	Warren
		Rowan	Todd	Wayne
	1	Scott	Trigg	Wayne Webster
	I	Todd	Trimble	Wolfe
	1	Trigg	Union	1
		Trimble	Warren	

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers— Continued

KENTUCKY-Continued

Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
		Warren Wayne Webster Whitley Wolfe	Webster Whitley Wolfe	

LOUISIANA 1

	1	Τ	I	T
Assumption .	Assumption	Assumption	Assumption	Assumption
Avoyelles	Avoyelles	Avoyelles	Avoyelles	Avoyelles
Caddo _	Caddo	Caddo	Caddo	Caddo
Caldwell	Caldwell	Caldwell	Caldwell	Caldwell
Catahoula	Catahoula	Catahoula	Catahoula	Catahoula
Claiborne	Caliborne	Claiborne	Claiborne	Claiborne
Concordia	Concordia	Concordia	Concordia	Concordia
De Soto				
East Carroll				
Franklin	Franklin	Evangeline	Franklin	Franklin
Iberia	Iberia	Franklin	Iberia	Iberia
Iberville	Iberville	Iberia	Iberville	Iberville
Lafayette	Lafayette	Iberville	Lafayette	Lafavette
Lafourche	Lafourche	Lafayette	Lafourche	Lafourche
La Salle	La Salle	Lafourche	La Salle	La Salle
Lincoln	Lincoln	La Salle	Lincoln	Lincoln
Madison	Madison	Lincoln	Madison	Madison
Morehouse	Morehouse	Madison	Morehouse	Morehouse
Natchitoches	Natchitoches	Morehouse	Natchitoches	Natchitoches
Ouachita	Ouachita	Natchitoches	Ouachita	Ouachita
Point Coupee	Point Coupes	Ouachita	Point Coupee	Point Coupee
Rapides	Rapides	Point Coupes	Rapides	Rapides
Richland	Richland	Rapides	Richland	Richland
St. Landry	St. Landry	Richland	St. Landry	St. Landry
St. Martin	St. Martin	St. Landry	St. Martin	St. Martin
St. Mary	St. Mary	St. Martin	St. Mary	St. Mary
Tensas	Tensas	St. Mary	Tensas	Tensas
Terrebonne	Terrebonne	Tensas	Terrebonne	Terrebonne
Washington	Washington	Terrebonne	Washington	Washington
Webster	Webster	Washington	Webster	Webster
West Carroll	West Carroll	Webster	West Carroll	West Carroll
	1	West Carroll		
	l	1		

MAINE

Motbov Union ² Rumford ³ Sanford ³ Vassalboro ³ Motbov Union ³ Rumford ³ Sanford ³ Vassalboro ³	Bar Harbor Bucksport Cooperative Health Union 4 Motbov Union 2 Rumford 3 Sanford 3	Bar Harbor Cooperative Health Union 4 Motbov Union 2 Rumford 3 Sanford 3	Bar Harbor Cooperative Health Union * Motbov Union * Rumford * Sanford *
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------

³ Including towns of Avon, Chesterville, Eustis, Livermore, Lang Pl., Rangeley, Sandy River Pl., Strong, Temple, and Weld.

Farsnes.

Figure 1 Parishes.

Fincluding municipalities of Orono, Milford, Bradley, Veazie, and Old Town.

Town (township) wholly or partly rural.

Including towns of Avon, Chesterville, Eustis, Livermore, Phillips, Rangeley, Strong, Temple, Weld, and Wilton.

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—Continued

MARYLAND

Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933	
Allegany Baltimore Calvert Carroll Cedi Harford Montgomery Prince Georges Talbot Wicomico Allegany Anne Arundel Baltimore Calvert Carroll Crecil Frederick Harford Kent Montgomery Prince Georges Talbot Washington Wicomico		Allegany Anne Arundel Baltimore Calvert Carroll Cecil Dorchester Frederick Garrett Harford Kent Montgomery Prince Georges Queen Annes Talbot Washington Wicomico Worcester	Allegany Anne Arundel Baltimore Calvert Carroll Cecil Charles Dorchester Froderick Garrett Harford Howard Kent Montgomery Prince Georges Queen Annes Somerset Talbot Washington Wicomico Worcester	Allegany Anne Arundel Baltimore Calvert Carroll Cecil Charles Dorchester Frederick Garrett Harford Howard Kent Montgomery Prince Georges Queen Annes St. Marys Somerset Talbot Washington Wicomico Worcester	
		MASSACHUSETTS			
Barnstable	Barnstable	Barnstable Nashoba Southern Berkshire	Barnstable Nashoba ¹ Southern Berk- shire ²	Barnstable Nashoba ¹ Southern Berkeshire ²	
		MICHIGAN			
Genesee Oakland Saginaw Wexford	Alcona s Alpena s Antrim s Cheboygan s Cheboygan s Crawford s Emmet s Genesee Iosco s Isabella Kalkaska s Kent Midland Missaukee s Montmorency s Oakland Ogemaw s Oscoda s Ottsego s Ottawa Presque Isle s Roscommon s Saginaw Wexford	Alcona 3 Alpena 3 Antrim 3 Barry Charlevoix 3 Cheboygan 3 Crawford 3 Emmet 3 Genesee Iosco 3 Isabella Kalkaska 3 Kent Midland Missaukee 3 Montmorency 3 Oakland Ogemaw 3 Oscoda 3 Otsego 3 Ottawa Presque Isle 3 Roscommon 3 Saginaw Wexford	Alcona 3 Allegan Alpena 3 Antrim 3 Barry Charlevoix 2 Cheboygan 3 Crawford 2 Emmet 3 Genesee Iosco 3 Isabella Kalkaska 3 Kent Lake 4 Midland Missaukee 3 Montmorency 3 Newaygo 4 Oakland Oceana 4 Ogenaw 3 Ogenaw 3 Ogenaw 3 Otsego 3 Ottawa Presque Isle 2 Roscommon 3 Saginaw Wexford	Alcona 3 Allegan Alpena 3 Antrim 3 Barry Charlevoix 2 Cheboygan 3 Crawford 5 Eaton Eaton Eaton Eaton Isabella Kalkaska 3 Kent Lake 4 Midland Missaukee 3 Montmorency 8 Newaygo 4 Ogemaw 2 Oscoda 2 Ottsego 3 Ottsego 3 Ottsego 3 Presque Isle 3 Roscommon 8 Saginaw Wexford	
	· · · · · · · · · · · · · · · · · · ·	MINNESOTA			
St. Louis	St. Louis	St. Louis	St. Louis	St. Louis	
1 Pape	ecenta 14 terras	1 Included in A	districts of A counties	each	

¹ Represents 14 towns.
2 Represents 16 towns.

<sup>Included in 4 districts of 4 counties each.
Included in 1 district of 3 counties.</sup>

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—Continued

Continued		MISSISSIPPI				
Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933		
Adams Bolivar Clarke Coshoma Coplah Forrest Hancock Harrison Hinds Holmes Humphreys Issaquena Jackson Lamar Lauderdale Lee Liefore Lincoln Monroe Pearl River Perry Sanflower Trishomingo Union Warren Washington	Adams Bolivar Clarke Coahoma Coplah Forrest Hancock Harrison Hinds Holmes Humphreys Issaquena Jackson Lamar Lauderdale Lee Leflore Lincoln Monroe Pearl River Perry Sharkey Sunflower Tishomingo Union Warren Washington	Adams Bolivar Clarke Coahoma Copiah Forrest Hancock Harrison Hinds Holmes Humphreys Issaquena Jackson Lamar Lauderdale Lee Lef Lincoln Monroe Pearl River Perry Pike Sharkey Sunflower Tishomingo Union Warren	Adams Bolivar Coahoma Copiah Forrest Hancock Harrison Hinds Holmes Humphreys Jackson Lamar Lauderdale Lee Lefore Lincoln Monroe Pearl River Perry Pike Sunflower Union Warrea Washington Yazoo	Adams Bolivar Coahoma Forrest Hancock Harrison Hinds Holmes Humphreys Jackson Lamar Lauderdale Lee Leftore Lincoln Monroe Pearl River Pike Sharkey Sunflower Union Warren Washington Yazoo		
Yazoo	Yazoo	Washington Yazoo				
		MISSOURI				
Boone Buchanan Dunklin Greene Jackson Marion Mississippi New Madrid Nodaway Pemiscot St. Francois St. Louis Scott	Boone Buchanan Dunklin Greene Jackson Marion Miller New Madrid Nodaway Pemiscot St. Francois St. Louis Scott	Boone Buchanan Dunklin Greene Jackson Marion Miller New Madrid Pemiscot St. Louis Scott	Boone Buchanan Dunklin Greene Jackson Marion Miller New Madrid Pemiscot St. Louis	Buchanen Dunklin Greene Jackson Marion Miller New Madrid Pemiscot St. Louis		
		MONTANA				
Cascade Gallatin Lewis and Clark Missoula	Cascade Gallatin Lewis and Clark Missoula	Cascade Gallatin Lewis and Clark Missoula	Cascade Gallatin Lewis and Clark Missoula	Cascade Gallatin Lewis and Clark Missoula		
		NEW MEXICO		·		
Bernalillo Chaves Dona Ana Eddy McKinley Union Valencia	Bernalillo Dona Ana Eddy Lea McKinley Santa Fe Union Valencia	Bernalillo Dona Ana Eddy Santa Fe Union Valencia	Bernalillo Dona Ana Eddy Santa Fe Union Valencia	Bernalillo Dona Ana Eddy Santa Fe Union Valencia		

Table 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers— Continued

NEW	YORK
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		NEW YORK		
Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
Cattaraugus Cortland Suffolk Westchester	Cattaraugus Cortland Suffolk Westchester	Cattaraugus Cortland Suffolk Westchest er	Cattaraugus Cortland Suffolk Westchester	Cattaraugus Columbia Cortland Suffolk Westchester
		NORTH CAROLIN	VA.	
Beaufort Bertie Bladen Bladen Buncombe Cabarrus Cherokee Columbus Craven Cumberland Davidson Durham Edgecombe Forsyth Gaston Granville Guilford Halifax Henderson Johnston Lenoir Mecklenburg Moore Nash New Hanover Northampton Pitt Randolph Richmond Robeson Rowan Rutherford Sampson Surry Vance Wake Wayne Wilkes Wilkes Wilson	Beaufort Bertie Bladen Buncombe Cabarrus Cherokee Columbus Craven Cumberland Davidson Durham Edgecombe Forsyth Franklin Gaston Guilford Granville Halifax Henderson Johnston Lenoir Mecklenburg Moore Nash New Hanover Northampton Pitt Randolph Richmond Robeson Rowan Rutherford Sampson Surry Vance Wake Wayne Wilkes Wilson	Beaufort Bladen Buncombe Cabarrus Columbus Cumberland Davidson Durham Edgecombe Forsyth Franklin Gaston Granville Guilford Halifax Johnston Lenoir Mecklenburg Moore New Hanover Northampton Pitt Randolph Richmond Robeson Rowan Rutherford Sampson Stokes Surry Vance Wake Wayne Wilkes Wilson Yadkin	Beaufort Bladen Buncombe Cabarrus Columbus Cumberland Davidson Durham Edgecombe Forsyth 1 Franklin Gaston Granville Guilford Halifax Lenoir Mecklenburg Moore Now Hanover Northampton Pitt Randolph Richmond Robeson Rowan Rutherford Sampson Stokes 1 Surry Vance Wake Wayne Wilkes Wilson Yadkin	Beaufort Bladen Buncombe Cabarrus Columbus Cumberland Davidson Durham Edgecombe Forsyth 1 Franklin Gaston Granville Guilford Halifax Hyde Lenoir Mecklenburg Moore Nash New Hanover Northampton Pitt Randolph Richmond Robeson Rowan Sampson Stokes 1 Surry Vance Wake Wayne Wilkes Wilson Yadkin
		оню		,
Allen Ashtabula Belmont Butler Clinton Columbiana Coshocton Crawford Cuyahoga Darke Delaware Erie Fayette Franklin	Allen Ashtabula Belmont Butler Clinton Columbiana Coshocton Crawford Cuyahoga Darke Delaware Erie Franklin Hamilton	Allen Ashtabula Belmont Butler Clinton Columbiana Coshocton Crawford Cuyahoga Darke Delaware Erie Franklin Guernsey	Allen Ashtabula Belmont Butler Clinton Columbiana Coshocton Crawford Cuyahoga Darke Delaware Erie Fayette Franklin Hamilton	Allen Belmont Butler Clinton Coshocton Crawford Cuyahoga Darke Delaware Erie Fayette Hamilton Hancock Hocking Huron

Hamilton

Hancock

Hocking Huron Jackson

Jefferson

Lorain

Hancock

Hocking

Huron

Jackson Jefferson

Lorain

Lucas

Jefferson Lorain

Lorain
Lucas
Mahoning
Marion
Medina
Meigs

Geauga Hamilton

Hancock Hocking

Huron Jefferson

Lake

Lorain

Hancock

Hocking

Jackson Jefferson

Huron

Lorain

Lucas

¹ Included in 1 district of 3 counties.

Table 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—Continued

OHIO-Continued

		OHIO-Continu	cu.	
Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
_				
Lucas	Mahoning	Lucas	Mahoning	Mercer
Mahoning	Marion	Mahoning	Marion	Miami
Marion	Meigs	Marion	Medina	Montgomery
Meigs	Mercer	Medina	Meigs	Perry
Mercer	Miami	Meigs	Mercer	Pickaway
Miami	Montgomery	Mercer	Miami	Preble
Montgomery	Morrow	Miami	Montgomery	Richland
Morrow	Muskingum	Montgomery	Morrow	Ross
Perry	Perry	Morrow	Perry	Scioto
Pickaway	Pickaway	Perry	Pickaway	Seneca
Preble Richland	Preble Richland	Pickaway Preble	Preble	Shelby
Ross	Ross	Richland	Richland Ross	Stark Summit
Bandusky	Sandusky	Ross	Scioto	Trumbull
Scioto	Scioto	Scioto	Seneca.	Tuscarawas
Beneca	Seneca	Seneca	Shelby	Washington
Shelby	Shelby	Shelby	Stark	Wayne
stark	Stark	Stark	Summit	Wood
lummit	Summit	Summit	Trumbull	W 000
rumbull	Trumbull	Trumbull	Tuscarawas	}
Tuscarawas	Tuscarawas	Tuscarawas	Washington	
Washington	Washington	Washington	Wayne	
Wayne T	Wayne	Wayne	Wood	1
Vood	Wood	Wood		
		OKLAHOMA		
Carter	Carter	Carter		
e Flore	Le Flore	Le Flore	1	
AcCurtain .	McCurtain	McCurtain	1	
Auskogee	Muskogee	Muskogee	1 1	
kmulgee	Okmulgee	Okmulgee	i i	
)sage	Ottawa	Ottawa	1	
)ttawa	Pittsburg	Pittsburg	1	
Pittsburg	Pottawatomie	Pottawatomie	1	
ieminole	Seminole	Seminole		
		OREGON		
Clackamas	Clackamas	Clackamas	Clackamas	Clackamas
Coos	Coos	Coos	Coos	Jackson
Douglas	Douglas	Douglas	Douglas	Klamath
ackson	Jackson	Jackson	Jackson	Lane
Clamath	Klamath	Klamath	Klamath	Marion
farion	Lane	Lane	Lane	Multnomah
fultnomah	Marion	Marion	Marion	
	Multnomah	Multnomah		
		PENNSYLVANL	A.	
	Allegheny	Allegheny	Allegheny	Allegheny
	Allegheny Bucks	Bucks	Bucks	Bucks
	Luzerne	Luzerne	Luzerne	Luzerne
	I	SOUTH CAROLIN	 VA	1
iken	Aiken	Aiken	Aiken	Airon
nderson	Anderson	Anderson	Anderson	Aiken
eaufort	Beaufort	Beaufort	Beaufort	Anderson
erkeley	Berkeley	Berkeley	Berkeley	Beaufort Berkeley
harleston	Charleston	Charleston	Charleston	Charleston
herokee	Cherokee	Cherokee	Cherokee	Cherokee
		Dankantan		Darlington
arlington	Darlington	i Dariington		
arlington illon	Darlington Dillon	Darlington Dillon	Darlington Dillon	
arlington illon orchester	Dillon Dorchester	Dillon Dorchester	Dillon Dorchester	Dillon 1 Dorchester
Oarlington Oillon Oorchester 'airfield 'lorence	Dillon	Dillon	Dillon	Dillon i

¹ Included in 1 district of 2 counties.

TABLE 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural sections were provided with health service under local whole-time health officers—Continued

Continued	sou	TH CAROLINA-C	Continued		
Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933	
Georgetown	Georgetown	Georgetown	Georgetown	Georgetown	
Greenville	Greenville	Greenville	Greenville	Greenville	
reenwood	Greenwood	Greenwood	Greenwood	Greenwood	
Horry Kershaw	Horry Kershaw	Horry Kershaw	Horry Kershaw	Horry Kershaw	
exington	Lexington	Lexington	Lexington	Marion i	
Marion	Marion	Marion	Marion	Newberry	
Newberry Oconee	Newberry Oconee	Newberry Ocones	Newberry Oconee	Oconee Orangeburg	
)rangeburg	Orangeburg	Orangeburg	Orangeburg	Pickens	
Richland	Richland	l Pickens	Pickens	Richland	
Spartanburg	Spartanburg	Richland Spartanburg	Richland Spartanburg	Spartanburg	
		SOUTH DAKOT.	_ <u> </u>		
Pennington	Pennington	Pennington	Pennington	Pennington	
		TENNESSEE			
Bledsoe	Bledsoe	Bledsoe 2	Bledsoe 2	Bledsoe	
Blount Bradley	Blount Bradley	Blount Bradley	Bradley Carter	Bradley Davidson	
Carter	Carter	Carter	Clay 3	Dyer	
llav	Clay	Clay 3	Davidson 3	Fentress 4	
Pavidson	Davidson	Cumberland Davidson ³	Dyer Fentress ³	Gibson Giles	
Dyer Fentress	Dyer Fentress	Dyer Davidson •	Gibson	Greene	
ibson	Gibson	Fentress 3	Giles	Grundy 4	
iles	Giles	Gibson	Greene	Hamilton	
Preene Prundy	Greene Grundy	Giles Greene	Grundy ³ Hamilton	Hardeman Humphreys	
Iamilton	Hamilton	Grundy 1	Hardeman	Jackson 4	
Iardeman	Hardeman	Hamilton	Humphreys	Knox	
ackson	Humphreys	Hardeman	Jackson 3	Lake	
Znox .e.ke	Jackson Knox	Humphreys Jackson ³	Knox Lake	Lauderdale Lincoln	
auderdale	Lake	Knox	Lauderdale	Maury	
incoln	Lauderdale	Lake	Lewis	Meigs	
Aeigs Aonroe	Lewis Lincoln	Lauderdale Lewis	Lincoln Maury	Montgomery Obion	
iontgomery	Maury	Lincoln	Meigs *	Rhea 4	
bion	Meigs	Maury	Monroe	Roane	
verton	Monroe	Meigs 3	Montgomery	Rutherford	
ickett Lhea	Montgomery Obion	Monroe Montgomery	Obion Overton 3	Sequatchie 4 Sevier	
Loane	Overton	Obion	Pickett 1	Shelby	
utherford	Pickett	Overton 8	Rhea 3	Sullivan	
equatchie	Rhes	Pickett 3	Roane	Sumner	
evier helby	Roane Rutherford	Rhea ³ Rospe	Rutherford Sequatchie 2	Tipton Washington	
ullivan	Sequatchie	Rutherford	Sevier	Weakley	
umner	Sevier	Sequatchie 3	Shelby	Williamson	
ipton	Shelby	Sevier	Sullivan	Wilson	
Vashington Veakley	Sullivan Sumner	Shelby Sullivan	Sumner Tipton	1	
Villiamson	Tipton	Sumner	Unicoi		
Vilson	Unicoi	Tipton	Washington]	
	Washington Weakley	Unicoi Washington	Weakley Williamson	Į	
	Williamson	Weakley	Wilson	ł	
	Wilson	Williamson Wilson			
	<u> </u>	TEXAS		•	
ameron	Cameron	Cameron 4	Cameron	Dallas	
(idalgo	Hidalgo	Cass Hidelgo i	Gregg	El Paso	
efferson IcLennan	Jefferson McLennan	Hidalgo Jefferson	Hidalgo McLennan	Gregg Hidalgo	
olan	Nolan	McLennan	Nolan	McLennan	
arrant	Potter	Nolan	Potter	Nolan	
	Tarrant	Potter Starr 5	Starr Tarrant	Potter Tarrant	

Included in 1 district of 2 countles.
 Included in 1 district of 3 countles.
 Included in 4 districts of 2 countles each.

Included in 3 districts of 2 counties each.
Included in 1 district of 4 counties.

Table 1.—List of counties, townships, or districts in which as of Jan. 1, 1930, 1931, and 1932, respectively, and Dec. 31, 1932 and 1933, respectively, rural

	1			1
Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933
Davis Davis Utah		Davis Utah	Davis Utah	Davis Utah
		VIRGINIA		···
Accomac Albemarle Arlington Augusta Brunswick Fairfax Freensville Halifax Henrico ale of Wight Nansemond Norfolk Norfolk Northampton Princess Anne Rockbridge Southampton Wise	Accomac Albemarle Amelia I Appomattox I Arlington Augusta Brunswick Buckingham I Charlotte I Cumberland I Fairfax Greensville Halifax Henrico Isle of Wight Lunenburg I Nansemond Norfolk Northampton Nottoway I Princes Anne Rock bridge Southampton Wise	Accomac ² Albemarle Amelia ¹ Appomattox ¹ Arlington Augusta Brunswick ² Buckingham ¹ Charlotte ¹ Cumberland ¹ Fairfax Greensville ¹ Halifax Henrico Isle of Wight ² Lunenburg ¹ Nansemond ² Norfolk ³ Northampton ² Nottoway ¹ Pittsylvania Powhatan ¹ Princes Anne ² Rockbridge Southampton Wise	Accomac 3 Albemarle Amelia 1 Appomattox 1 Arlington Arlington Augusta Brunswick 3 Buckingham 1 Charlotte 1 Cumberland 1 Fairfax Greensville 2 Halifax Henrico Isle of Wight 3 Lunenburg 1 Nansemond 2 Norfolk 3 Norfolk 3 Nortoway 1 Pittsylvania Powhattan 1 Prince Edward 1 Princes Anne 3 Rockbridge Southampton	Albemarle Arlington Augusta Brunswick ³ Fairfax Greensville ³ Halifax Henrico Isle of Wight ³ Nansemond ³ Norfolk ³ Pittsylvania Prince Edward Princess Anned Southampton
		WASHINGTON		
Chelan Clark King mohomish pokane Valla Walla Vhitman Zakima	Chelan Clark King Snohomish Spokane Walla Walla Whitman Yakima	Chelan Clark King Snohomish Spokane Walla Walla Whitman Yakima	Chelan Clark King Snohomish Spokane Walla Walla Whitman Yakima	Chelan Clark King Snohomish Spokane Walla Walla Whitman Yakima
		WEST VIRGINIA		
Berkeley Stoone Stooke 'ayette Himer Iancock Iarrison Eanawha Jogan Jarion Jonongalia Johio Treston taleigh Vood	Berkeley Boone Brooke Fayette Gilmer Hancock Harrison Kanawha Logan Marion Marshall Monongalia Ohio Preston Raleigh Wood	Berkeley Boone Brooke Doddridge ' Fayette Hancock Harrison Kanawha Logan Marion Marshall Monongalia Ohio Pleasants ' Preston Raleigh Ritchie ' Tyler ' Wetzel ' Wood	Berkeley Boone Brooke Fayette Hancock Harrison Kanawha Logan Marion Marshall Monongalia Ohio Preston Raleigh Wood	Berkeley Boone Fayette Hancock Harrison Kanawha Logan Marshall Monongalia Ohio Preston Raleigh Wood

¹ Included in 1 district of 9 counties.
² Included in 4 districts of 2 counties each.

³ Included in 3 districts of 2 counties each. ⁴ Included in 1 district of 5 counties.

Résumé of table 1

		Nun	nber of cou	ınties		Increase or decrease in-			
State	Jan. 1, 1930	Jan. 1, 1931	Jan. 1, 1932	Dec. 31, 1932	Dec. 31, 1933	1930	1931	1932	1933
Alabama	51 3 21 12	54 6 24 13 1	54 5 30 14	54 4 27 14	46 4 21 13	+3 +3 +3 +1	-1 +6 +1	-1 -3 -1	-8 -6 -1
Connecticut Delaware Florida Georgia Idaho	1 1 3 2 34 2	1 3 3 30 1	1 3 2 35 1	2 3 3 31 1	2 3 2 30	+1 -4 -1	-1 +5	+1 +1 -4	-1 -1 -1
Illinois Iowa Kansas Kentucky Louisiana	2 11 45 31	2 2 12 43 81	1 3 10 81 32	1 3 6 79 31	1 1 4 73 31	+2 +1 -2	-1 +1 -2 +38 +1	-4 -2 -1	-2 -2 -6
Maine Maryland Massachusetts Michigan Minnesota	4 11 1 4	4 14 1 24	6 18 3 25	5 21 3 29	5 22 3 30 1	+3	+2 +4 +2 +1	-1 +3 +4	+i +i
Mississippi Missouri Montana New Mexico New York	28 13 4 7	28 13 4 8 4	29 11 4 6	25 10 4 6 4	24 9 4 6 5	+1	+1 -2 -2	-4 -1	-1 -1 -1 +1
North Carolina Ohio Oklahoma Oregon Pennsylvania	38 46 9 7	39 46 9 8 3	36 46 9 8	35 45 7 3	36 40 6 3	+1 +1 +3	-3 	-1 -1 -9 -1	+1 -5 -1
South Carolina South Dakota Tennessee Texas Utah	23 1 38 6 3	23 1 42 7 2	24 1 43 9	24 1 41 8 2	23 1 34 8 2	+4 +1 -1	+1 +1 +2	-2 -1	-1 -7
Virginia Washington West Virginia	17 8 15	26 8 16	27 8 20	25 8 15	16 8 13	+9 +1	+1 +4	-2 -5	-9 -2
Total	507	557	616	581	530	+50	+59	-35	-51

The accompanying map shows the location of the counties, townships, or districts in the United States with health service for rural areas, under the direction of local whole-time health officers on December 31, 1933.

Within the period January 1, 1933, to December 31, 1933, wholetime health service was established in 4 units and was discontinued in 55—a net loss of 51 units. The greatest loss was in the State of Virginia, where whole-time health service was discontinued in 9 counties.

Delaware leads in the percentage of rural population under wholetime health service, all of its three counties having been provided with local whole-time health organization by the State. Of the States in which the local governmental units maintain the health organizations, with or without assistance from the State health department or other sources, Maryland, with 97.5, had the highest percentage of rural population under whole-time health service.

Table 2 presents, by States, the percentage of rural population having health service under the direction of local whole-time health officers at the end of the calendar year 1933.

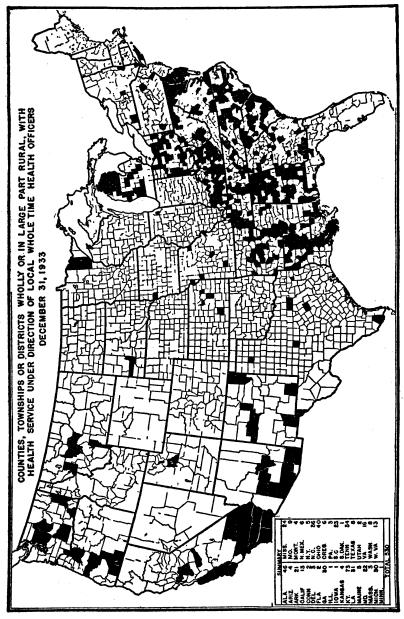


FIGURE 1.—Rural areas having whole-time health officers, December 31, 1933.

Table 2.—Percentage of rural population having on Dec. 31, 1933, health service under local, whole-time health officers

State	Rural popula- tion as of Dec. 31, 1933 (esti- mated from 1930 census)	Rural popula- tion with local health service under direction of whole-time health officers	Percentage of rural popula- tion with local health service under direction of whole-time health officers
Alabama	1, 925, 066	1, 473, 028	76. !
Arizona	310, 989	176, 081	56.6
Arkansas	1, 475, 224	553, 512	37. 8
California	1, 670, 865	795, 601	47. 6
Colorado	526, 715	100,002	Ö
Connecticut	486, 415	50, 146	10.3
Delaware	119, 989	119, 989	100.0
Florida	743, 476	36, 261	4.9
Georgia	1 2, 013, 016	574, 918	28. 6
Idaho	316, 511	0	
Illinois	1 1, 994, 927	26, 408	1.3
Indiana	1 1, 442, 611	0	0
lowa	1 1, 491, 647	23, 050	1.5
Kansas	1 1, 151, 165	71, 533	6. 2
Kentucky	1, 827, 445	1, 212, 495	66. 3
Louisiana	1, 303, 809	725, 358	5 5. 6
Maine	478, 651	53, 949	11. 3
Maryland.	684, 613	667, 690	97. 5
Massachusetts	497, 238	69, 522	14. 0
Michigan	1, 581, 735	519, 383	3 2, 8
Minnesota	1 1, 306, 337	48, 313	3. 7
Mississippi	1, 715, 045	646, 829	3 7. 7
Missouri	1 1, 770, 248	373, 393	21 . 1
Montana	i 356, 570	35, 139	9.9
Nebraska	892, 145	0	0
Nevada	1 56, 594	0	0
New Hampshire	202, 784	0	0
New Jersey	709, 819	- 0	.0
New Mexico	324, 224	89, 783	27. 7
New York	2, 165, 158	316, 415	14. 6
North Carolina	2, 467, 136	1, 245, 110	50.5
North Dakota	570, 798	1 100 510	.0
Ohio	2, 160, 204 1, 605, 658	1, 188, 519	55. 0 0
Oklahoma	490, 259	201, 907	41. 2
Oregon	1 3, 097, 139	379, 607	12.3
Pennsylvania	65, 550	3/8,00/	0
Rhode Island	1 1, 367, 685	833, 214	60.9
South Carolina	571, 918	10, 674	1.9
South Dakota	1 1, 720, 018	789, 383	45. 9
rennessee	3, 539, 568	223, 925	6.3
Pexas	244, 425	30, 516	12. 5
Utah	1 240, 845	30, 310	12.0
Vermont	1, 636, 721	410, 719	25. 1
Virginia	704, 821	314, 474	44.6
Washington	1, 290, 019	521, 463	40. 4
West virginia	1 1, 385, 163	022, 100	ő.
Wisconsin Wyoming	162, 205	ŏ	ŏ
11 Journe			
Total	54, 861, 163	14, 808, 307	27. 0

^{1 1930} census; no estimate made for Dec. 31, 1933.

Of the 530 counties, townships, or districts with health service under local whole-time health officers at the end of the present calendar year, 491, or 92.6 percent, were receiving financial assistance for the support of their health service from one or more of the following agencies: The State board of health, the United States Public Health Service, the Rockefeller Foundation, the American Red Cross, the American Women's Hospital Fund, the Rosenwald Fund, the Commonwealth Fund, and the Milbank Memorial Fund.

The accompanying chart shows, by States, the number of counties, townships, or districts with health service under the direction of local whole-time health officers on January 1, 1930, 1931, and 1932, and on December 31, 1932 and 1933, respectively, and the percentage of the rural population of each State receiving such service at the close of the calendar year 1933. Also, it shows the total number of

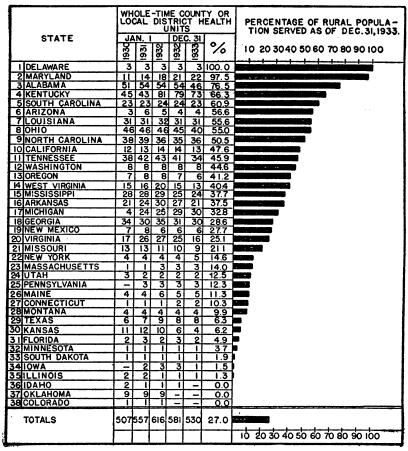


FIGURE 2.—Number of whole-time county or local district health units, by States, 1930-33, and percentage of rural population served on December 31, 1933.

counties, townships, or districts in the United States having local whole-time health service, together with the percentage of the rural population of the entire United States served by local whole-time health organizations.

It will be noted that 73 percent of our rural population is as yet not provided with the form of health organization which is considered best adapted to rural areas.

COURT DECISION ON PUBLIC HEALTH

Nuisance caused by village polluting creek in disposing of sewage enjoined.—(Illinois Supreme Court; Barrington Hills Country Club et al. v. Village of Barrington, 191 N. E. 239; decided June 15, 1934.) An injunction was sought by certain riparian owners against the village of Barrington to prevent the latter from discharging sewage and the effluent from its sewage-treatment plant into a creek above their premises. A decree in favor of the complainants was rendered by the trial court, which decree was affirmed by the supreme court. In the course of the latter court's opinion, it was said:

The law in Illinois is, and has long been, settled upon the controlling questions involved in this case. A private nuisance may be enjoined by a suit in equity, or the party suffering damage and injury may proceed at law, and the remedies are concurrent and not exclusive. [Cases cited.] While it is contended here that those cases must have involved raw sewage as distinguished from the efflux from a sewage-treatment plant of modern design, sewage shown by this record to contain human feces, debris, * * * and other filth, remains sewage. defendants in error, as riparian owners on a stream thus polluted, whether it be polluted once, twice, three times or more a season, or for 3 or 4 percent of all the days of each year, have a right to protection against such invasion of their property rights, and if the effluent is considered to be as pure as contended by the plaintiff in error, the defendants in error still have the other property right, which must be protected, to have the stream carry only such a volume of water as would be naturally collected by the drainage of the basin in which it flows. This court has repeatedly held that the taking of property by a municipality or other body vested with the power of eminent domain will not be tolerated except in the manner prescribed by statute, and the taking must be accompanied by payment at the time the property or right is taken. [Cases cited.]

In rejecting the village's contention that a permit issued by the State sanitary water board, under a 1929 statute, was a complete bar to the suit brought against it, the supreme court stated, in part, as follows:

* * The act only empowers the sanitary water board to control, prevent, and abate pollution of streams where the condition is detrimental to "the public health, or to the health of animals, fish, or aquatic life, or detrimental to the practicable use of the waters for recreational purposes." Section 2 (Smith-Hurd Rev. St. 1933, c. 19, sec. 130). This act does not extend the authority of the sanitary water board to include control of private property rights of riparian owners and does not authorize any encroachment upon such rights. The powers created are to be exercised only on behalf of the public and affect its rights alone.

* * In this suit only private property rights of riparian owners are involved. The nuisance sought to be enjoined is one of a private rather than a public nature. While the permit might bar an action brought by the attorney general, it constitutes no bar to this suit. * * *

DEATHS DURING WEEK ENDED NOV. 17, 1934

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	Week ended Nov. 17, 1934	Corresponding week, 1933
Data from 86 large cities of the United States: Total deaths Deaths per 1,000 population, annual basis. Deaths under 1 year of age Deaths under 1 year of age per 1,000 estimated live births Deaths per 1,000 population, annual basis, first 46 weeks of year Data from industrial insurance companies: Policies in force Number of death claims Death claims per 1,000 policies in force, annual rate Death claims per 1,000 policies, first 46 weeks of year, annual rate	7, 836 10. 9 571 53 11. 3 11. 3 67, 041, 531 11, 357 8. 8 9. 8	8, 196 11, 4 600 1 52 10, 8 67, 464, 735 13, 253 10, 3 9, 7

¹ Data for 81 cities.

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended Nov. 24, 1934, and Nov. 25, 1933

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Nov. 24, 1934, and Nov. 25, 1933

	Diphtheria		Influenza		Measles		Meningococcus meningitis	
Division and State	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933
New England States: Maine	1 4 17 2 1	3 2 4 28	1	1 1 17	13 5 2 83	2 75 58 387	0 0 0 0 0	0 0 0 2 0
Middle Atlantic States: New York New Jersey Pennsylvania East North Central States:	45 32 56	47 24 73	1 41 26	1 17 23	1, 078 49 632	370 30 231	5 1 2	5 0 4
Ohio Indiana Illinois ³ Michigan Wisconsin	97 53 76 12 9	97 108 41 34 4	6 43 16 3 3	3 34 30 2 17	101 149 333 47 212	58 28 23 19 56	1 1 5 1 0	0 1 5 2 3
West North Central States: Minnesota Iowa I Missouri North Dakota South Dakota Nebraska	4 4 60 10 4 14	16 12 90 10 1	41	8 1	220 277 71 29 24 7	23 3 42 8 202 17	0 0 4 0 0	0 1 3 0 1
Kansas. South Atlantic States: Delaware. Maryland ¹ District of Columbia. Virginia ⁴ West Virginia. North Carolina ¹	15 14 14 104 60 74	27 1 22 22 124 80 108	1 8 33 10	11 52 26	35 1 140 161 107	3 2 2 9 24 16 271	1 0 0 0 2 3 0	1 0 1 0 0
South Carolina 4 Georgia 4 4 Florida 4 East South Central States: Kentucky Tennessee	10 52 25 79 62	24 69 14 96 68	267 32 68	393 2 63	3 10 332 22	56 243 1 4 220	0	0 2 0 1 1
Alabama 4 Mississippi 3	37 26	102 28	51	37	57	14	1	1

See fcotnoues at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Nov. 24, 1934, and Nov. 25, 1933—Continued

•	Dipl	ntheria	Infl	Influenza		Measles		Meningococcus meningitis	
Division and State	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	
West South Central States: Arkansas Louisiana Oklahoma 6 Texas 6 Mountain States:	16 30 16 93	29 49 89 311	19 5 27 81	9 9 25 146	8 6 6	232 9 50 11	0 0 0	0 1 1 0	
Montana Idaho W yoming Colorado New Mexico Arizona	11 1 3 9 5 5	1 7 10 3	3 3 4 15	29 6 27	53 11 4 150 45 2	2 2 31 30 6	0 0 0 0	0 1 0 0 0	
Utah 3 Pacific States: Washington Oregon California	12	1 39	42 32	3 25 63	31 15 148	123 52 9 126	0 0 2 0	0 0 1 3	
Total	1, 316	1, 939	882	1, 107	4, 996	3, 193	30	44	
	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever		
Division and State	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933	
New England States: Maine	0 0 0 0	4 0 1 1 0 0	26 6 14 182 17 45	9 17 6 223 12 71	0 0 0	0 0 0 0	5 0 1 1 0 2	3 0 0 0 1 1	
New York New Jersey Pennsylvania East North Central States:	1 0 0	6 0 8	399 131 40 8	361 125 464	0 0 0	0	16 9 14	12 5 27	
Ohio Indiana Illinois ² Michigan Wisconsin West North Central States:	0 1 3 4 0	2 0 1 1 3	447 179 590 286 433	472 172 426 281 97	1 1 1 0 15	1 4 0 0 24	5 1 24 9 • 1	7 3 18 11 3	
Minnesota. Iowa Missouri North Dakota. South Dakota. Nebraska. Kansas.	2 1 0 0 0 0	2 1 0 0 0 1 1	91 63 112 43 21 34 53	83 63 200 52 2 28 142	8 0 2 1 23 0 1	1 3 3 0 0 11	0 4 20 3 0 0	2 0 4 0 0 0 5	
South Atlantic States: Delaware Maryland District of Columbia Virginia West Virginia North Carolina South Carolina Georgia Florida See footnotes at end of table.	0 2 0 1 2 0 0 0	0 1 0 1 3 3 1 5	11 115 24 162 177 123 6 23 8	6 93 21 170 141 191 22 17 7	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 3 0 14 11 2 3 2	1 14 1 9 2 7 11 9	

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Nov. 24, 1934, and Nov. 25, 1933—Continued

	Polion	nyelitis	Scarle	t fever	Sma	llpox	Typhoid fever	
Division and State	Week ended Nov. 24, 1934	Week ended Nov. 25, 1933						
East South Central States:								
Kentucky	1	3	84	113	0	0	24	11
Tennessee	1	0	103	139	0	7	15	17
Alabama 4	2	2	43	55	1	0	13	20
Mississippi 3	0	1	29	23	0	2	4	2
West South Central States:								
Arkansas	0	2	13	27	0	0	18	5
Louisiana	1	0	21	27	1	0	12	18 21 28
Oklahoma 4	0	1	22	39	0	1	33	21
Texas 4	3	3	64	100	0	15	35	28
Mountain States:								
Montana	0	2	18	17	0	0	1	2
Idaho	0	2	13	6	0	7	1	1
Wyoming	0	0	12	13	3	0	0	0
Colorado	0	0	208	28	2	1	3	3 13
New Mexico	0	. 1	25	25	1	0	29	13
Arizona	1	1	36	17	0	1	9	0
Utah 3	0	0	39	8	0	0	0	1
Pacific States:			i		1		- 1	
Washington	7	2	60	44	24	3	3	13
Oregon	2	4	59	49	0	2	1	1
California	23	4	198	248	2	18	11	18
Total	59	74	5, 276	4, 952	88	107	369	330

1 New York City only.

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of cases reported monthly by States is published weekly and covers only those States from which reports are received during the current week.

State	Menin- gococ- cus menin- gitis	Diph- theria.	Influ- enza	Malaria	Measles	Pel- lagra	Polio- mye- litis	Scarlet fever	Small- pox	Ty- phoid fever
October 1934										
Arizona	3	11	17	1	32		17	130	0	22
Florida	i	57	1	320	8	2	0	17	0	5
Idaho	2	12	15		31		7	21	6	22
Illinois	18	298	34	26	333		45	1, 440	7	168
Kansas		62	10	2	183		11	249	4	25 78
Louisiana	5	119	18	219	31	10	2	61	2	78
Maryland	ĭ	58	49		41		1	356	0	45
Missouri	8	315	168	112	229	1	4	313	0	141
Montana	١	18	23		200		35	82	1	25 70
New Mexico		16	15	56	106	1	0	72	0	70
Oklahoma 1	8	58	104	114	3	1	2	43	2	68
Oregon	۰ı	9	91	i i l	27		16	199	<u> </u>	9
Pennsylvania	14	286	•••	7	1, 201	5	26	1, 285	ō	120
Texas	5	198	385	2, 323	84	32	32	128	5	133
Virginia	3	431	143	40	212	6	12	422	2	66

¹ Exclusive of Oklahoma City and Tulsa.

New YOFK CITY ORIFY.
 Rocky Mountain spotted fever, week ended Nov. 24, 1934 2 cases, as follows: Illinois, 1; North Carolina, 1.
 Week ended earlier than Saturday.
 Typhus fever, week ended Nov. 24, 1934, 14 cases, as follows: Virginia, 1; South Carolina, 2; Georgia, 5; Florida, 1; Alabama, 3; Texas, 2.
 Dengue, week ended Nov. 24, 1934: Georgia, 23 cases
 Exclusive of Oklahoma City and Tulsa.

October 1934	G	October 1934—Continued	<u>.</u> !	October 1934—Continue	ed .
Anthrax:	Cases	Lead poisoning:	Cases	Tetanus:	Cases
Illinois	1	Illinois	3	Illinois	8
Chicken pox: Arizona	16	Lethargic encephalitis:	34	Kansas	1
Florida		Illinois Kansas	32	Lcuisiana	7
Illinois	567	Missouri	ĭ	Maryland	3 2
Kansas	311	Oregon	1	Missouri	2 2
Louisiana Maryland	9 97	Pennsylvania	8	Montana	2
Missouri		TexasVirginia	1 5	Virginia	Z
Montana	78	Mumps:	•	Trachoma:	185
New Mexico		Arizona	37	Arizona Illinois	2
Oklahoma 1		Illinois	163	Kansas	í
Oregon Pennsylvania		Kansas	71	Maryland	î
Texas		Maryland	16 10	Missouri	6
Virginia	38	Missouri	11	Oklahoma 1	7
Conjunctivitis:	10	New Mexico	6	Pennsylvania	1
Arizona New Mexico	19 1	Oklahoma 1	6	Tularaemia:	
Dengue:	•	Oregon	111	Illinois	5
Florida	390	Pennsylvania	668 16	Kansas Louisiana	5 1
Louisiana		TexasVirginia	32	Maryland	î
Maryland		Ophthalmia neonatorum:		Missouri	4
Texas Diarrhea:	- 22	Illinois	3	Montana	2
Maryland	66	Louisiana	1	Virginia	1
Dysentery:		Missouri	1	Typhus fever: Florida	10
Arizona		Oregon Pennsylvania	6	Louisiana	10
Florida Idaho (amoebic)	2	Virginia	ĭ	Maryland	ī
Illinois (amoebic)	28	Paratyphoid fever:		Texas	43
Illinois (bacillary)	29	Illinois	1	Undulant fever:	_
Illinois (amoebic car-		Kansas	2	Arizona	2 3
riers)	110	New Mexico Oregon	1	Florida Illinois	12
Kansas (amoebic) Louisiana		Texas	î	Kansas	17
Maryland		Virginia	1	Louisiana	3 5
Missouri	68	Puerperal septicemia:		Maryland	5
Montana (amoebic)	. 1	Illinois	1 1	Montana New Mexico	2 1
Montana New Mexico (bacillary)	2 2	New Mexico	1	Oregon	i
New Mexico		Illinois	21	Pennsylvania	2
Oklahoma 1		Kansas	3	Texas	1
Oregon	. 6	Louisiana	14	Virginia	4
Pennsylvania		Maryland	.1	Vincent's infection: Kansas	8
Texas	211	Missouri Oregon	13 1	Maryland	20
Virginia	131	Rabies in man:	- 1	Montana	2
Food poisoning:		Illinois	1	Oklahoma 1	4
Kansas	. 1	Louisiana	1	Oregon	11
German measles: Arizona	. 2	Scabies:	6	Whooping cough: Arizona	29
Illinois		Maryland	10	Florida	27
Kansas		Oklahoma 1	-š	Idaho	19
Maryland	. 3	Oregon	61	Illinois	728
Montana	11	Septic sore throat:	ایما	Kansas	160 22
Pennsylvania Hookworm disease:	. 13	Illinois Kansas	24	Louisiana Maryland	194
Louisiana	. 14	Louisiana	2	Missouri	211
impetigo contagiosa:		Maryland	12	Montana	67
Kansas Maryland	2	Missouri	57	New Mexico	46
Maryland Montana	146 31	Montana New Mexico	7	Oklahoma ¹ Oregon	33 26
Oregon	55	Oklahoma 1	23	Pennsylvania	
FAUILUICE.		Oregon	3	Texas	197
Montana	10	Virginia	18	Virginia	253

¹ Exclusive of Oklahoma City and Tulsa.

WEEKLY REPORTS FROM CITIES

City reports for week ended Nov. 17, 1934

[This table summarizes the reports received regularly from a selected list of 121 cities for the purpose of showing a cross section of the current urban incidence of the communicable diseases listed in the table. Weekly reports are received from about 700 cities, from which the data are tabulated and filed for reference]

*		T-4	····			G	<u> </u>		m-	N74	1
State and city	Diph- theria cases		luenza	Mea- sles cases	Pneu- monia deaths	Scar- let fever	Small- pox cases	Tuber- culosis deaths	Ty- phoid fever	Whoop- ing cough	Deaths, all causes
		Cases	Deaths	İ		C8.36S			cases	cases	l
Maine:											
Portland	0			0	1	5	0	0	1	1	20
New Hampshire: Concord	0	1		0	0	0	0	0	0	0	6
Nashua	ŏ			ŏ		ĭ	ŏ		ŏ	ŏ	
Vermont: Barre	0			0	0	0	0	1	0	0	3
Burlington Massachusetts:	Ŏ		0	Ō	0	Ō	Ó	0	0	2	9
Boston	4		2	2	19	41	0	8	0	40	190
Fall River Springfield	1 0		0	21 1	1 1	4	0	1 0	0 1	3	28 33
Worcester	ŏ		0	Ō	ı î	17	ŏ	ĭ	Ō	5	40
Rhode Island: Pawtucket	۰ ا			0	o	0	0	0	. 0	0	13
Providence Connecticut:	2		1	0	3	. 3	0	1	1	12	47
Bridgeport	1	1	1	0	4	5	0	1	0	0	32
Hartford New Haven	0		0	161 0	2 2	3	0	0	0	0	45 42
	Ů				-	- 1		1	·	Ĭ	
New York: Buffalo	1		1	16	9	16	0	10	0	21	153
New York Rochester	44 0	20	10 0	9 26	92	83 19	0	70 2	7	289 16	1, 308 60
Syracuse	ŏ		ŏ	0	7	7	ŏ	î	ŏ	8	42
New Jersey: Camden	0	1	1	1	6	9	0	1	1	3	39
Newark	2	4	0	0	0	5	0	1	0	18	81
Trenton Pennsylvania:	0	1	0	0	1	16	0	2	0	0	28
Philadelphia	5 13	6 1	2 2	6 15	38 20	48 32	0	19 5	2	177 9	473 164
Pittsburgh Reading	2		ő	1	0	3	Ó	ŏ	0	8	18
Scranton	0			11	-	4	0		0	6	
Ohio: Cincinnati	8		اما	0	11	30	0		اه	. 3	137
Cleveland	11	19	1	3	5	44	0	5 4	1	29	197
Columbus Toledo	10 2		0	8 6	3 8	31 13	0	2	0	3 6	78 67
Indiana:			1	0	4	5	o	1	0	0	32
Fort Wayne Indianapolis	8 13		1 0	2	15	24	Ō	4	2	10 l	
South Bend Terre Haute	0		0	53 0	1 1	0	0	0	0	6	19 21
Illinois:	-			-				- 1	- 1	- 1	
Chicago Springfield	12 0	5	3 0	30 1	53 4	211	0	33	0	68 5	694 17
Michigan:	6	3	1	24	17	75	0	19	4	46	231
Detroit Flint	1		0	0	3	11	Ō	1	0	2	19
Grand Rapids Wisconsin:	1		0	2	2	24	0	1	0	2	3 3
Kenosha	0		0	.0	0	10	o l	0	8	8 47	8 91
Milwaukee Racine	2 0		0	14 0	3 0	166 12	0	1 0	Ŏ.	0	16
Superior	Ō		0	0	2	1	0	0	0	0	15
Minnesota:			اما	50		2	0	اه	اه	1	24
Duluth Minneapolis	0 2		0	50 35	2 9	14	1	1	Ō	14	105
St. Paul	3		0	4	5	6	0	0	0	20	48
Davenport	o l			1		.1	o l		0	0	18
Des Moines Sioux City	0		0	0 2	0	12 1	0	0	8	4	
Sioux City Waterloo Missouri:	ō			47		2	Ó		0	1	
Kansas City	2		0	o o	11	10	o l	2	o	1	91
St. Joseph St. Louis	41		0	0 5	7	20	8	0 15	0	12	16 20 0
	'		- 1	٠.		•	- •	•	- •		

City reports for week ended Nov. 17, 1934—Continued

O4444 3 -14	Diph-	Inf	uenza	Mea-	Pneu-	Scar-	Small-	Tuber-	Ty- phoid	Whoop-	Deaths,
State and city	theria cases	Cases	Deaths	sles cases	monia deaths	farrer	pox	culosis deaths	fever cases	cough cases	all causes
North Dakota:											
Fargo	0		1	0	0	2	0	0	0	13	8
Grand Forks South Dakota:	0			1		3	0		0	3	
Aberdeen	3			0	l	2	3		0	2	
Sioux Falls	Ó		0	0	0	Õ	0	0	Ó	0	6
Nebraska: Omaha	18	1	o	2	3	11	0	6	0	0	51
Kansas:	10		ľ		,	11		°	U		91
Topeka	0		0	1	3	1	0	0	0	0	21
Wichita	2		0	0	3	2	0	0	0	1	29
Delaware:		1					}				
Wilmington	1		0	0	0	0	0	0	0	1	29
Maryland:		ا م					١ .	ا ــ ا			
Baltimore Cumberland	3	2	0	· 15	22	30 5	0	16 1	0	26 1	214 12
Frederick	ŏ		ŏ	ŏ	ı	2	l ŏ	اةً ا	ŏ	i	3
District of Col.:	·		ľ	•	1 1		ľ		•	- 1	
Washington	11		0	1	10	26	0	13	1	8	157
Virginia:	6		o	0	١,١		0	ا م	1	2	**
Lynchburg Richmond	2		Ŏ.	1	1 5	5 8	ŏ	0 2	il	ő	11 59
Roanoke	8		ŏ.	ô	l ŏl	10	ŏ	اةا	ō	3	18
West Virginia:					!]						
Charleston	3 2		0	0	1	12	Ō	1	1	0.	10
Huntington Wheeling	0			0 1		2 6	1 0	i	0	0	14
North Carolina:	·		٠	-	•	۰	•	1	- 1	١	14
Raleigh											
Wilmington	3		0	0	1	0	0	0	0	0	15
Winston-Salem South Carolina:	5		0	0	1	4	0	1	0	18	17
Charleston	0	44	0	0	2	3	0	2	o	0	26
Columbia	ŏ		0	ŏ	5	ŏl	ŏ	2	ŏ	ŏ	35
Greenville	1		0	Ō	Ó	1	0	0	Ó	Ó	2
Georgia:	9	اءا		0	7		ا ا		اه		
Atlanta	ő	6	0	ő	ő	9	0	4 0	8	1 0	80 6
Savannah	ŏ	1	ĭ	ŏ	6	٥l	ŏ	3	ŏl	ĭ	51
Florida:	1	i	- 1	- 1		- 1			- 1	1	
Miami	3	1	0	0	2	0	0	. 0	0	0	26
Tampa	4		0	0	2	1	0	2	1	0	. 27
Kentucky:	1		- 1	:		- 1	- 1		- 1	1	
Ashland	8		0	0	0	1	0	0	0	0 .	
Lexington	6		0	0	2	0	0	1	2	0	24
Tennessee: Memphis	5		اه	o	6	8	اه	1	6	9	72
Nashville	ğ		ŏ	ŏl	4	8	81	il	81	12	42
Alabama:	- 1		1	.]	- 1	- 1	1	- 1	1	- j.	
Birmingham	7	7	1	1	4	7	0	4	2	9.	59
Mobile	2 4	5 2	0	0	2	0	0	0	8	8	22
	*	- [- 1		١	١		١	٠,	
Arkansas:	Ī	!	- 1	1	- 1	- 1	ł	- 1	ı	1	
Fort SmithLittle Rock		-									
Louisiana:	٠,		0	0	7	2	0	2	0	o f	9
New Orleans	0		ol	0	13	8	0	11	3	0	151
Shreveport	Ŏ.		ŏ	ŏ	ĭ	ŏ	ŏ	ō	ŏ	ŏ	26
Oklahoma: Oklahoma City	2	ار		اہ	.		اہ	اہ	ام		68
Tulsa	Ž.	4	1	0	5	1	0	2	8	0 -	37
l'exas:	١-					- 1			- 1	. 1	
Dallas	4 -		0	0	5	5	0	1	0	. 0	- 60
Fort Worth	5		ò-	Ŏ	5 3 0	5	0	2	1	0	38 11
Galveston Houston	16		0	0	3	0	0	3	0	0	60
San Antonio	1		ĭ	ŏ	6	اة	81	5	ŏ	0	76
	- 1-			~ 1	· /		υ.		•	V 1	10

City reports for week ended Nov. 17, 1934—Continued

State and city the		Inf	luenza	Mea-	Pneu- monia	Scar- let	Small-	Tuber	. pnoid	Whoop-ing	Deaths,
butto and city	cases	Cases	Deaths	cases	deaths	fever cases	cases	death		cases	causes
Montana:											
Billings	1		0	13	0	0	0	0		0	4
Great Falls	0		0	1	0	0	0	0	0	0	4 2 2
Helena	0		0	0	0	1	0	0		0	2
Missoula	0		0	0	0	0	0	0	0	0	•
Idaho: Boise	•		0	0	2	0	0	2	0	5	8
Colorado:	0			۰	4	U	١ ٠	*	, ,		•
Denver	2	41	0	86	6	124	0	5	0	0	72
Pueblo	2	7*	l ŏ	ı sı	i	3	ŏ	iŏ	ŏ	ŏ	l 'ã
New Mexico:	-		•	1 1	•			ľ	•	ľ	"
Albuquerque	1		1 0	1 1	0	0	0	3	3	4	8
Utah:	-		1	-				_	-		_
Salt Lake City	2		0	8	1	20	0	0	0	25	37
Nevada:		İ	1						1	I i	
Reno	0		0	0.	1	0	0	0	0	0	5
									1		
Washington:	_	İ							1	ا ۔	ł
Seattle	1	<u>2</u>		0		3	3	0	0	5 0	
Spokane Tacoma	ŏ	2	2	١١	2	ŏ	5	ŏ	ŏ	i	33 26
Oregon:	U,		U	"		U	3	٠	١	•	20
Portland	0	2	0	2	5	11	0	3	0	0	67
Salem	ŏ	4	U	ก็	١	- i l	ŏ	٠	ŏ	ĭ	
California:	•	*		ا ۱		-				-	
Los Angeles	21	24	1	3	9	37	1	16	2	17	308
Sacramento	1		Ō	Ō	4	2	0	4	0	0	27
San Francisco	1	1	0	3	6	11	0	11	0	4	162
									<u> </u>		
	l _M	aning	coccus		11			1	Mening	ococcus	
	144	menin		Polio-	ll			1		ngitis	Polio-
State and city	- 1		8	mye-		State a	nd city	- 1			mye-
Blate and City	_			litis	1			Ī			litis
	l c	ases	Deaths	cases	1			- 1	Cases	Deaths	cases
	١				11						
					Nebr						
Massachusetts:	ı			_	Men	aska:		- 1			_

State and city		gococcus ngitis	Polio- mye- litis	State and city	Mening meni	Polio- mye- litis	
	Cases	Deaths	00000		Cases	Deaths	00000
Massachusetts: Fall River Rhode Island: Providence. New York: Buffalo. New York Pennsylvania: Philadelphia Ohio: Cleveland. Toledo. Indiana: Indianapolis Illinois: Chicago. Michigan: Detroit.	1 1 2 5 1 0 0 4	1 0 0 3 1 0 0	0 0 0 0 0 1 1 1 1 1 1 1 1 1	Nebraska: Omaha Maryland: Baltimore. Virginia: Roanoke. Kentucky: Ashland Alabama: Mobile. Louisiana: New Orleans. Texas: Houston Montana: Missoula. New Mexico: Albuquerque. California:	0 1 1 1 1 0 0	1 1 0 1 0 0	0 0 0 0 0 1 1 1
St. Paul Missouri: Kansas City St. Joseph St. Louis	0 1 1 0	0 1 0 0	2 0 0 1	Los Angeles	0	0	4

Dengue.—Cases: Atlanta, 7; Savannah, 250; Miami, 5; Tampa, 9.

Lethargic encephalitis.—Cases: Pittsburgh, 2; Cleveland, 1; Kansas City, Mo., 1.

Pellagra.—Cases: Charleston, S. C., 3; Savannah, 2; Tampa, 1; Birmingham, 3; New Orleans, 1; San Francisco, 1.

Typhus fever.—Cases: New York City, 3; Charleston, S. C., 1; Savannah, 1; Montgomery, 2.

FOREIGN AND INSULAR

CUBA

Provinces—Malaria.—According to a report dated November 14, 1934, 34,098 cases of malaria were reported present in the Provinces of Cuba, as follows:

Province	Cases	Province	Cases
Pinar del Rio	5, 440 336 448	Santa Clara	4, 148 6, 676 17, 050

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

(NOTE.—A table giving current information of the world prevalence of quarantinable diseases appeared in the Public Health Reports for Nov. 30, 1934, pp. 1438-1452. A similar cumulative table will appear in the Public Health Reports to be issued Dec. 28, 1834, and thereafter, at least for the time being, in the issue published on the last Friday of each month.)

No new foci or unusual prevalence of quarantinable diseases were reported to the Public Health Service during the week ended November 30, 1934.

(1494)

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